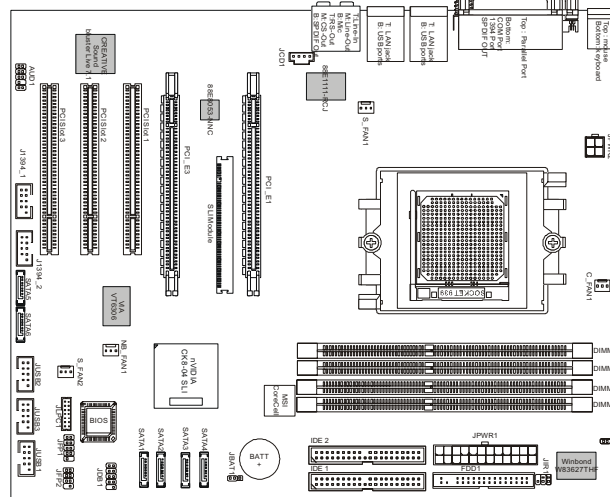


# K8N Neo4 Platinum/SLI (MS -7100) ATX Mainboard

Supports AMD® Socket 939 K8 Athlon64 Processor



## Mainboard Specification

### CPU

- Supports 64bit Athlon64/Athlon FX(Socket939) processor

### Chipset

- nVIDIA® nForce4 SLI chipset
  - HyperTransport link to the AMD Athlon 64/Athlon 64 FX CPU
  - HyperTransport supporting speed up to 1GHz (2000MT/s)
  - Supports 2xPCI Express x16/x1 interface
  - Two independent SATA controllers, for four drives
  - Dual Fast ATA-133 IDE controllers
  - IEEE802.3 nVIDIA MAC for 1000BASE-T

### Main Memory

- Supports dual channel, eight memory banks DDR 266/333/400, using four 184-pin DDR DIMMs
- Supports a maximum memory size up to 4GB
- Supports 2.5v DDR SDRAM DIMM

### Slots

- Two PCI Express x16 slot (supports PCI Express Bus specification v1.0a compliant)
- 2nd PCI Express x 16 is compatible with PCI Express x 1
- Three 32-bit Master PCI Bus slots, one orange slot reserves as communication slot.
- Support 3.3V/5V PCI bus Interface

### On-Board IDE

- An IDE controller on the nVIDIA® nForce4 SLI chipset provides IDE HDD/CD-ROM with PIO, Bus Master and Ultra DMA 66/100/133 operation modes
- Can connect up to 4 IDE devices

### On-Board SATA

- NV RAID supports 4 SATA II ports(SATA1-4). Transfer rate is up to 300MB/s.
- Silicon Image's SATARAID supports another 2 SATA II ports. Transfer rate is up to 300MB/s.

### USB Interface

- 10 USB ports
  - Controlled by nForce4 SLI chipset
  - 4 ports in the rear I/O, 6 ports via the external bracket

### NV RAID (Software)

- Supports up to 4 SATA plus 2 ATA133 Hard drives
  - RAID 0 or 1, 0+1, JBOD is supported
  - RAID function work w/ATA133+SATA H/D or 2 SATA H/D

### Silicon Image's SATARAID (Software)

- RAID 0 or 1 and JBOD groups are supported
- Support up to 2 SATA devices connected to a single controller

### Dual LAN

- Supports dual LAN jacks
  - 1st LAN supports 10/100/1000 Fast Ethernet by nForce4 SLI
  - 2nd PCI Express LAN supports 10/100/1000 Fast Ethernet by Marvell 88E8053

### IEEE 1394

- Supports up to 3 \* 1394 ports (rear x 1 port, front x 2 ports). Transfer rate is up to 400Mbps

### Audio

- Creative sound Blaster Live 24-bit H/W audio
  - 24-bit / 96KHz audio quality
  - 100db SNR clarity
  - Up to 7.1 CH Surround Sound, Dolby Digital ready

### On-Board Peripherals

- On-Board Peripherals include:
  - 1 floppy port supports 2 FDD with 360K, 720K, 1.2M, 1.44M and 2.88Mbytes
  - 1 serial port (COMA )
  - 1 parallel port supporting SPP/EPP/ECP mode
  - 1 Audio jack(5-in-1), coaxial/fiber SPDIF out
  - 1 D-Bracket2 pinheader
  - 1 CD-in pinheader
  - 3 IEEE1394a (Rear 1 port / Front 2 ports)
  - 10 USB1.1/2.0 ports (Rear port \* 4 / Front port \* 6)
  - 1 IrDA pinheader

### BIOS

- The mainboard BIOS provides "Plug & Play" BIOS which detects the peripheral devices and expansion cards of the board automatically.
- The mainboard provides a Desktop Management Interface (DMI) function which records your mainboard specifications.
- Supports boot from LAN, USB Device 1.1 & 2.0, and SATA HDD.

### Dimension

ATX Form Factor (30.4 cm X 24.4 cm)

### Mounting

9 mounting holes

## Special Features:

- ATX Form Factor
- Supports PCI-E graphic card
- Supports AMD® Socket 939 Athlon64 processor at 1GHz
- System Bus Frequencies
- Supports DDR 266/333/400 up to 4GB
- 7.1 CH H/W audio
- Live BIOS / Live Driver Update
- SATA RAID and ATA133 0 or 1 or 0+1
- Supports DMI (Desktop Management Interface) through BIOS
- Supports PCI 2.3
- Suspends to RAM/Disk
- D-Bracket2 bundle
- "DigiCell" & "CoreCell" supported

